

**A List of the Ants of Oklahoma (Hymen.:
Formicidae).**

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Although the ant fauna of Texas, New Mexico, and Arizona seems to be rather well known, that of Oklahoma, unfortunately, has been neglected by myrmecologists. The following list has, therefore, been prepared by the writer with the idea of filling as much as possible this gap in our knowledge of North American ants. The state should be an unusually interesting collecting ground for myrmecologists, because it is here that many of the eastern and western ants meet. In addition, the various topographical regions should contain very characteristic species. So far as the writer is aware, only two ants have been described from Oklahoma, and these only within the last year. The two species referred to are *Aphaenogaster treatae* subsp. *pluteicornis* and its variety *oklahomensis*.

According to H. H. Lane, in the Naturalist's Guide to the Americas, the state is considered largely an oak grove savannah. It contains four mountainous uplifts as follows: the Ozarks, the Arbuckles, the Ouachita and Wichita mountains. The re-

mainder of the state is rolling country with the following distinguishable topographical regions: the Lower Arkansas River Valley, the Prairie Plains, the Sandstone Hills, the Redbeds Plains, the Gypsum Hills, the Sand Desert, and the High Plains.

Most of the records given in this list are based on collections made in the southern part of the state, but particularly the southwestern (the Wichita Mountains and Wichita National Park). The northern half of the state is scarcely represented at all. The collections have been made principally by the Department of Zoology of the University of Oklahoma, the Department of Entomology of the Oklahoma Agricultural College, T. F. McGehee of the U. S. Bureau of Entomology in the Argentine ant scouting work, and the Department of Biology of the Oklahoma College for Women, as well as a small amount of collecting done by private individuals.

For the sake of brevity, only the collectors' initials will be given following the various locality records. The collectors responsible for this list are L. Barnard, R. D. and Lois Bird, W. J. Brown, A. C. Burrill, J. R. Carpenter, O. K. Chandler, J. Costner, W. D. Davis, C. C. Deonier, Wilton Fisher, H. M. Hefley, A. E. Hixson, E. E. Ivy, W. E. Jackson, C. R. Jones, T. F. McGehee, J. R. McInnis, J. D. Mitchell, A. E. Pritchard, P. D. Sanders, Martha Shackleford, Vera G. Smith, C. A. Sooter, O. Sundoz, G. C. and E. W. Wheeler, and P. Zeigler.

Subfamily *Ponerinae*.

STIGMATOMMA PALLIPES (Haldeman). This ant should be found in Oklahoma as it occurs in several of the adjoining states.

PROCRATIUM CROCEUM (Roger). Since this species has been recorded from Kansas and Texas it undoubtedly must occur in Oklahoma.

1. *PONERA TRIGONA* var. *OPACIOR* Forel. Wichita National Forest (W. F.); Beckham and Comanche counties (W. F.).

P. COARCTATA subsp. *PENNSYLVANICA* Buckley. This

species should be found in the more northern section of the state.

P. OPACICEPS Mayr. This ant should be found in the southern part of the state.

Subfamily *Dorylinae*.

ECITON (L.) *COECUM* (Latreille). This species may range into the extreme southern part of the state.

2. *E. (A.) OPACITHORAX* Emery. Payne county (E. H.).
3. *E. (A.) SCHMITTI* Emery. Wichita National Forest (W. F.); Norman (W. F.). This is probably the most common legionary ant in Oklahoma.
4. *E. (A.) PILOSUS* F. Smith. Latimer county (W. F.).
5. *E. (A.) NIGRESCENS* (Cresson). This species is recorded from Kansas and Texas and therefore one should expect to find it in Oklahoma.
6. *E. (A.) COMMUTATUM* Emery. Wichita National Forest (W. F.).
7. *E. (A.) MELSHEIMERI* (Haldemann). Latimer county (W. F.).

Subfamily *Myrmicinae*.

7. *MONOMORIUM MINIMUM* Buckley. Chickasha (V. G. S.); McAlester, Clinton, Altus, Lawton, Ardmore, Hugo, Idabel (T. F. McG.); Wichita National Forest, Norman (W. F.); Cherokee (R. D. B.); Latimer, Beckham, Cotton, Harmon, Jackson, Cleveland, Washita counties (W. F.). The tiny black ant is a common house-infesting form.
8. *M. PHARAONIS* (Linnaeus). Pharoah's ant should occur in the larger towns in the state. It is especially troublesome in cafes, hotels, warehouses, groceries and apartment houses.
9. *SOLENOPSIS MOLESTA* (Say). Chickasha (M. W. S.); Latimer county (W. F.). The tiny thief ant is an important house-infesting ant also.
10. *S. TEXANA* Emery. This species no doubt occurs in Oklahoma as it has been found in Kansas and Texas.

9. *S. XYLONI* McCook. Lindsay, Chickasha, Anadarko, Clinton, Hobart, Frederick, Snyder, Ardmore, Madill, Durant, Hugo, Valliant, Idabel (T. F. McG.); Wichita National Forest (W. F.); Cotton, Washita, Johnston, Tillman, Jackson, Comanche and Latimer counties (W. F.). The fire ant is a very serious pest wherever it occurs.
10. *PHEIDOLE VINELANDICA* Forel. Chickasha (V. G. S.); Madill (T. F. McG.); Wichita National Forest (W. F.).
11. *PH. DENTATA* Mayr. McAlester, Mangum, Lawton (T. F. McG.); Cherokee (R. D. B.); Wichita National Forest (W. F.); Latimer county (W. F.); Major and Woods counties (R. D. B.).
PH. DENTATA var. *COMMUTATA* Mayr. This variety of *dentata* should occur in the State.
PH. PILIFERA (Roger). This ant undoubtedly occurs in the State.
12. *PH. HYATTI* Emery. Chickasha, Altus, Snyder, Lawton, Ardmore (T. F. McG.); Wichita National Forest (W. F.); Cotton county (W. F.).
13. *PH. COCKERELLI* Wheeler. Beckham county (W. F.).
14. *PH. SITARCHES* subsp. *RUFESCENS* Wheeler. Wichita National Forest (W. F.); Beckham, Latimer, and Harmon counties (W. F.).
15. *MYRMECINA GRAMINICOLA* subsp. *AMERICANA* Emery. Latimer county (R. D. B.).
16. *CREMATOGASTER ASHMEADI* Mayr. Latimer and Jackson counties (W. F.).
17. *C. VICTIMA* subsp. *MISSOURIENSIS* Pergande. Chickasha (M. W. S.); Wichita National Forest (W. F.); Latimer county (W. F.); McClain county (J. R. C.).
C. LAEVIUSCULA Mayr. Since the variety *clara* of this species is so common in Oklahoma, *laeviuscula* should also be found in the state.
18. *C. LAEVIUSCULA* var. *CLARA* Emery. McAlester, Coalgate, Ada, Pauls Valley, Lawton, Durant, Hugo, Valliant (T. F. McG.); Wichita National Forest (W. F.); Norman

- (R. D. B.); Cleveland county (R. D. B.); Latimer, Greer and Cotton counties (W. F.); Logan and Woods counties (R. D. B.); Payne county (W. J. B.); Stillwater (L. B.).
19. *C. LINEOLATA* (Say). Latimer county (R. D. B.); McClain county (J. R. C.).
20. *C. LINEOLATA* var. *CERASI* Fitch. Major county (R. D. B.).
21. *C. OPACA DEPILIS* var. *PUNCTULATA* Emery. Idabel (T. F. McG.); Chickasha (M. W. S.); Wichita National Forest (W. F.); Beckham, Cotton, Harmon, Logan, Kiowa, Jackson, and Comanche counties (W. F.); Wood county (R. D. B.); McClain county (J. R. C.).
- APHAENOGASTER FULVA* Roger. This species and its subspecies *aquia* and variety *picea* should be found in Oklahoma.
22. *A. TREATAE* Forel. Latimer county (W. F.); Woods county (R. D. B.); Wichita National Forest (W. F.).
23. *A. TREATAE* subsp. *pluteicornis* G. C. and E. W. Wheeler. Poteau (G. C. and E. W. Wheeler) *type locality*.
24. *A. TREATAE PLUTEICORNIS* var. *OKLAHOMENSIS* G. C. and E. W. Wheeler. Poteau (G. C. and E. W. Wheeler) *type locality*.
25. *A. TENNESSEENSIS* Mayr. Latimer county (W. F.); Caddo county (O. S.).
- A. TEXANA* Emery. This species should be found in Oklahoma.
26. *A. TEXANA* var. *CAROLINENSIS* Wheeler. Latimer county (W. F.).
27. *POGONOMYRMEX BARBATUS* var. *MOLEFACIENS* Emery. Norman (J. R. McL.); Pauls Valley, Anadarko, Snyder (T. F. McG.); Wichita National Forest (W. F.); Beckham, Harmon, Cleveland, Kiowa, and Cotton counties (W. F.); Payne, Latimer, Woods, Jefferson, and Jackson counties (W. D. D.); Stillwater (C. A. S.).
28. *P. OCCIDENTALIS* Cresson. Clinton (T. F. McG.); Cherokee (R. D. B.); Washita, Kiowa and Greer counties (W. F.); Kenton (A. E. P.).

29. *P. DESERTORUM* Wheeler. Cotton county (W. F.).
30. *P. (E.) IMBERBICULUS* Wheeler. Wichita National Forest (W. F.); Harmon county (W. F.).
31. *MYRMICA PUNCTIVENTRIS* subsp. *PINETORUM* Wheeler. Latimer county (R. D. B.).
32. *LEPTOTHORAX TEXANA* Wheeler. Wichita National Forest (W. F.); Harmon and Latimer counties (W. F.).
L. CURVISPINOSUS Mayr. This widely distributed North American ant should occur in Oklahoma.
33. *L. FORTINODIS* Mayr. Jefferson county (W. F.).
34. *L. (D.) PERGANDEI* Emery. Wichita National Forest (W. F.); Chickasha (M. W. S.); McClain county (J. R. C.).
TRACHYMYRMEX SEPTENTRIONALIS subsp. *OBSCURIOR*. Wheeler. This species will very probably be found in the state.
35. *T. SEPTENTRIONALIS OBSCURIOR* var. *SEMINOLE* Wheeler. Wichita National Forest (W. F.); Latimer, Beckham, Cotton, and Harmon counties (W. F.).

Subfamily *Dolichoderinae*.

36. *DOLICHODERUS* (H.) *MARIAE* Forel. Major county (R. D. B.).
37. *D. (H.) PLAGIATUS* subsp. *PUSTULATUS* Mayr. Norman (P. Z.).
38. *DORYMYRMEX PYRAMICUS* (Roger). Clinton, Frederick, Durant (T. F. McG.); Wichita National Forest (W. F.); Beckham, Latimer, Washita, Tillman, Harmon, Kiowa Woods, and Comanche counties (W. F.); McClain county (J. R. C.).
39. *D. PYRAMICUS* var. *FLAVUS* McCook. Lindsay, Chickasha, Clinton, Altus, Madill, Durant, Idabel, (T. F. McG.); Wichita National Forest (W. F.); Beckham, Cleveland, Tillman, Greer, Kiowa, Harmon, Jefferson and Comanche counties (W. F.); Woods county (R. D. B.).
40. *TAPINOMA SESSILE* (Say). Woods county (R. D. B.); Oklahoma county (L. B.); Cleveland county (W. F.).
The odorous house ant is a pest wherever it occurs.

41. *FORELIUS* sp. McAlester, Coalgate, Clinton, Altus, Frederick, Lawton, Ardmore, Madill (T. F. McG.); Wichita National Forest (W. F.); Cotton, Logan, Washita, Cleveland, Harmon, Comanche and Jefferson counties (W. F.).
42. *IRIDOMYRMEX PRUINOSUS* var. Wichita National Forest (W. F.); Beckham, Tillman, Comanche, Washita, Logan Harmon, and Latimer counties (W. F.); Cleveland county (H. M. M.); McClain county (J. R. C.).

(To be continued).